

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	"10127939"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 07:37
L2	400	560/224.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 07:36
L3	0	l1 and l2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 07:36
L4	437415	recover?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 07:38
L5	756898	catalyst	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 07:38
L6	5470	l4 near3 l5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 07:38
L7	5	l2 and l6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 09:52
L8	227232	chromium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 07:42
L9	23	l2 and l8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 09:35
L10	3	l6 and l9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 08:01
L11	1	"02100814"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 08:02
L12	2	"02076919"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 08:07

L13	1870247	resin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 09:35
L14	14	l9 and l13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 09:35
L15	8	("4243818").URPN.	USPAT	OR	ON	2005/02/01 09:51
L16	182	l6 same l13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 09:52
L17	3	l2 and l16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 09:54
L18	700	l6 and l8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 09:54
L19	3	l2 and l18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 09:54
L20	0	2001-87846	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 10:21
L21	9	"087846"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 12:18
L22	0	"10436662".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 12:23
L23	2	"6465681".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 12:24
L24	2	"6660881".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/01 12:24

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	6	"10127939"	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 07:37	
2	BRS	L2	400	560/224.ccls.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 07:36	
3	BRS	L3	0	11 and 12	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 07:36	
4	BRS	L4	437415	recover?	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 07:38	
5	BRS	L5	756898	catalyst	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 07:38	
6	BRS	L6	5470	14 near3 15	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 07:38	

7	BRS	L7	5	12 and 16	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 09:52	
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	Error Definition	Errors
1		
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
8	BRS	L8	227232	chromium	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 07:42	
9	BRS	L10	3	16 and 19	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 08:01	
10	BRS	L11	1	"02100814"	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 08:02	
11	BRS	L12	2	"02076919"	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 08:07	
12	BRS	L9	23	12 and 18	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 09:35	
13	BRS	L13	187024 7	resin	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 09:35	

14	BRS	L14	14	19 and 113	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 09:35	
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	Error Definition	Errors
8		
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
15	BRS	L15	8	("4243818").URPN.	USPAT	2005/02/01 09:51	
16	BRS	L16	182	16 same 113	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 09:52	
17	BRS	L17	3	12 and 116	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 09:54	
18	BRS	L18	700	16 and 18	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 09:54	
19	BRS	L19	3	12 and 118	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 09:54	
20	BRS	L20	0	2001-87846	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 10:21	
21	BRS	L21	9	"087846"	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 12:18	

	Error Definition	Errors
15		
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20		
21		

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
22	BRS	L22	0	"10436662".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 12:23	
23	BRS	L23	2	"6465681".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 12:24	
24	BRS	L24	2	"6660881".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/02/01 12:24	

	Error Definition	Errors
22		
23		
24		

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NEWS 6 DEC 01 LISA now available on STN
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NEWS 8 DEC 15 MEDLINE update schedule for December 2004
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness
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NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness
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NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness
alerts (SDIs) affected
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NEWS 17 JAN 26 CA/CAPLUS - Expanded patent coverage to include the Russian
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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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FILE 'HOME' ENTERED AT 07:53:42 ON 01 FEB 2005

=> file caplus

COST IN U.S. DOLLARS

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TOTAL

ENTRY

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FULL ESTIMATED COST

0.21

0.21

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FILE COVERS 1907 - 1 Feb 2005 VOL 142 ISS 6

FILE LAST UPDATED: 31 Jan 2005 (20050131/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> ?acrylic acid

291108 ?ACRYLIC

3930450 ACID

1462301 ACIDS

4404727 ACID

(ACID OR ACIDS)

L1 163500 ?ACRYLIC ACID

(?ACRYLIC(W)ACID)

=> alkylene oxide

54405 ALKYLENE

336 ALKYLENES

54649 ALKYLENE

(ALKYLENE OR ALKYLENES)

1533418 OXIDE

323292 OXIDES

1625989 OXIDE

(OXIDE OR OXIDES)

L2 9945 ALKYLENE OXIDE

(ALKYLENE(W)OXIDE)

=> l1(l)L2

L3 408 L1(L)L2

=> CATALYST(l) recover?

678987 CATALYST

682349 CATALYSTS

870062 CATALYST

(CATALYST OR CATALYSTS)

596657 RECOVER?

L4 20927 CATALYST(L) RECOVER?

=> l3 and l4

L5 3 L3 AND L4

=> d l5 1-3 ti fbib abs

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Recovery of chromium-type catalyst used in synthesis of hydroxyalkyl (meth)acrylate from (meth)acrylic acid and alkylene oxides**

AN 2004:1076445 CAPLUS

DN 142:37700

TI **Recovery of chromium-type catalyst used in synthesis of hydroxyalkyl (meth)acrylate from (meth)acrylic acid and alkylene oxides**

IN Takagi, Hiroyuki; Ishida, Tokumasa; Uemura, Masahiro

PA Nippon Shokubai Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004351415	A2	20041216	JP 2004-133894 JP 2003-128292	20040428 A 20030506

AB The invention refers to a method of **recovering** Cr-type **catalysts** used in synthesis of hydroxyalkyl (meth)acrylate from (meth)acrylic acid and alkylene oxides, wherein water or an alkali solution is added to the reaction fluid or residue after the hydroxyalkyl (meth)acrylate is extracted, and the solids are separated from solution

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

TI Catalytic esterification process for the production of hydroxyalkyl (meth)acrylates from (meth)acrylic acids and epoxides

AN 2004:120625 CAPLUS

DN 140:181961

TI Catalytic esterification process for the production of hydroxyalkyl (meth)acrylates from (meth)acrylic acids and epoxides

IN Takaki, Hiroyuki; Ishida, Tokumasa; Uemura, Masahiro

PA Nippon Shokubai Co., Ltd., Japan

SO U.S. Pat. Appl. Publ., 14 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004030180	A1	20040212	US 2003-633139	20030801
				JP 2002-234630	A 20020812
	JP 2004075559	A2	20040311	JP 2002-234630	20020812
	EP 1389610	A1	20040218	EP 2003-17427	20030801
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			JP 2002-234630	A 20020812
	CN 1483718	A	20040324	CN 2003-127768	20030812
				JP 2002-234630	A 20020812

AB Hydroxyalkyl (meth)acrylates (e.g., hydroxyethyl acrylate) are prepared in a process in which: the diffusion of harmful substances due to disposal of **catalysts** can be reduced; and also the amount of the **catalyst** as used can be greatly saved in the entire production process. This process comprises carrying out an esterification reaction between (meth)acrylic acid and an alkylene oxide (e.g., ethylene oxide) in the presence of a **catalyst** in order to produce the hydroxyalkyl (meth)acrylate; with the production process being characterized by further comprising the step of **recovering** the **catalyst** which has been used for the reaction.

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

TI Hydroxyalkyl acrylate or methacrylate

AN 1969:67656 CAPLUS
DN 70:67656
TI Hydroxyalkyl acrylate or methacrylate
IN Murayama, Masayuki
PA Japan Gas-Chemical Co., Inc.
SO Jpn. Tokkyo Koho, 3 pp.
CODEN: JAXXAD
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 43018890 DE 1568838	B4	19680816	JP DE	19641017

AB The title compds. are prepared from alkylene oxide and acrylic acid or methacrylic acid in the presence of 0.2-5 weight % Fe³⁺ as the main catalyst and metal or metal compound such as Cu, Hg, Cr or iodine (0.01-2 times main catalyst). Thus, 360 g. acrylic acid, 0.2 g. tannic acid, 4 g. FeCl₃, and 0.1 g. Cu powder were charged in a reactor and heated at 80° under N; ethylene oxide was passed through at a rate of 150 g./hr. for 2 hrs. Excess ethylene oxide was cooled and recovered from the reactor to yield 95% hydroxyethyl acrylate, unreacted acrylic acid 0.2 weight %, and recovered ethylene oxide 70 g.

=> logoff hold
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
21.09	21.30

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.19	-2.19

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
21.09	21.30

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.19	-2.19

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST	21.09	21.30
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.19	-2.19

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NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
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FILE 'HOME' ENTERED AT 10:43:15 ON 01 FEB 2005

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'CAPLUS' ENTERED AT 10:44:23 ON 01 FEB 2005

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FILE COVERS 1907 - 1 Feb 2005 VOL 142 ISS 6

FILE LAST UPDATED: 31 Jan 2005 (20050131/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s JP 2001-087846/PN

L1 1 JP 2001-087846/PN
(JP2001087846/PN)

=> d l1

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:235395 CAPLUS

DN 134:269412

TI Process and apparatus for continuous casting of steel slab

IN Itoyama, Seji; Shibata, Hiromitsu; Kishimoto, Yasuo

PA Kawasaki Steel Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2001087846	A2	20010403	JP 1999-268199	19990922 <--
PRAI	JP 1999-268199		19990922		

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.14

6.56

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